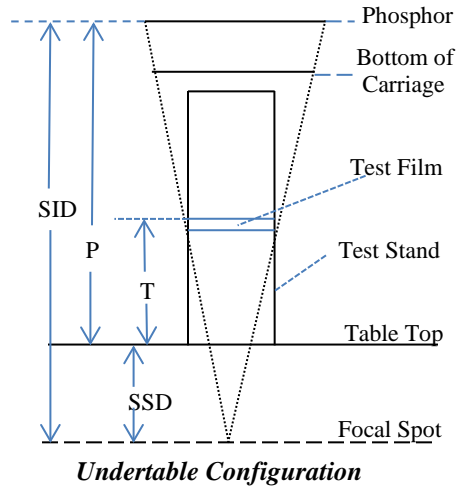


FLUOROSCOPIC CALCULATION WORKSHEET

(all results in inches unless otherwise indicated – Slot number in **bold** below or beside each blank)

Facility _____ Reg. no. _____ Date _____

Tube ID _____ Room # _____ Control # _____ Inspector _____



DATA FROM FILMS:

Fluoro collimation: from state test film:

Visual field horizontal x vertical _____ x _____
(1/4+2/3) (1/2+3/4) **1** **2**

X-ray field horizontal x vertical _____ x _____
(1/4+2/3) (1/2+3/4) **3** **4**

Centering _____ **5**

Focal spot determination: Distance between outside edges of the images of brass bars _____ **6**

MEASUREMENTS TAKEN AT FACILITY: P = _____ (item 25 from the worksheet – distance from the table top to the phosphor)
(P and T are for Undertable Fluoro Units only) **7**

T = _____ (item 26 from the worksheet – distance from the table top to the state test film)
8

CALCULATIONS:

Distances:

9 _____ Minimum source-to-skin distance as measured at facility. (for Undertable units = $\frac{30.6}{(\text{Slot } 6 - 2.5)}$)

10 _____ SID of phosphor as measured at the facility. (for Undertable units = $(P + SSD) = (\text{Slots } 7 + 9) =$ _____ + _____)

11 _____ SID of the State Test Film (For under table units = $(T + SSD) = \text{Slots } 8 + 9 =$ _____ + _____)
 (For Specials and C-arms, item 28 on the Fluoro Worksheet)
 (For Above table units, item 31 on the Fluoro Worksheet)

Beam Excess:

(excess width / SID)

(excess length / SID)

_____ / _____ x 100 = _____ %
 Slot 3 – Slot 1 Slot 11 **12**

_____ / _____ x 100 = _____ %
 Slot 4 – Slot 2 Slot 11 **13**

Sum slot 12 + slot 13 = _____ + _____ = _____ %
14

Centering:

_____ (slot 5) < _____ = $(0.02 \times \text{Test Film SID} = 0.02 \times \text{slot } 11)$
15 **16**

Primary Barrier Transmission:

_____ (item 8) < 2 x _____ (item 9) = _____
17 **18** **19**